

Exhibit C

Blast of SEQ ID NO:3 versus human genomic sequence

MegaBlast:

MEGABLAST 1.2.3-Paracel [2001-11-20]

Reference:

Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000),
"A greedy algorithm for aligning DNA sequences",
J Comput Biol 2000; 7(1-2):203-14.

Database: Homo_sapiens.latestgp.masked.fa

44,521 sequences; 200,768,834,160 total letters

Query= seqid3

(3645 letters)

Sequences producing significant alignments:	Score (bits)	E Value
AC116621.6.101924.177999	<u>442</u>	e-121
AC116621.6.22858.101182	<u>406</u>	e-110
AC116615.3.60396.89763	<u>406</u>	e-110
AC084724.3.6664.29537	<u>389</u>	e-105
AC084724.3.127117.217563	<u>331</u>	2e-87
AC084724.3.29638.51693	<u>232</u>	1e-57
AC116643.2.13772.15264	<u>178</u>	2e-41
AC116642.2.30736.38115	<u>170</u>	4e-39

>AC116621.6.101924.177999

Length = 76076

Score = 442 bits (223), Expect = e-121
Identities = 233/236 (98%), Gaps = 1/236 (0%)
Strand = Plus / Minus

Query: 1985 tttca-agtaagcgagaaatacttcgcagattaaatgaaaatcttaaagctcaagaagat 2043
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct: 69908 tttcagagtaagcgagaaatacttcgtagattaaatgaaaatcttaaagctcaagaagat 69849

Query: 2044 gaaaaaggaatgcagaatctctctgatacttttgagataaatgttcatgaagatgccaaa 2103
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct: 69848 gaaaaaggaagcagaatctctctgatacttttgagataaatgttcatgaagatgccaaa 69789

Query: 2104 gagcatgaaaaagaaaaatcagtttcatctgatcgcaagaagtgggaggcaggaggtcaa 2163
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct: 69788 gagcatgaaaaagaaaaatcagtttcatctgatcgcaagaagtgggaggcaggaggtcaa 69729

Query: 2164 cttgtgattcctctggatgagttaacactagatacatccttctctacaactgaaag 2219
||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Sbjct: 69728 cttgtgattcctctggatgagttaacactagatacatccttctctacaactgaaag 69673

Score = 357 bits (180), Expect = 3e-95
Identities = 180/180 (100%)
Strand = Plus / Minus

Query: 2757 agagcctggaaccaatgattctcagcactctaaatgtgatgtagataagtcctgtgcaacc 2816
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 17338 agagcctggaaccaatgattctcagcactctaaatgtgatgtagataagtcctgtgcaacc 17279

Query: 2817 ggaaccattttttccataagggtggttcattctgaacacttgaacttagtccctcaagttca 2876
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 17278 ggaaccattttttccataagggtggttcattctgaacacttgaacttagtccctcaagttca 17219

Query: 2877 atcagttcagtggttcaccagaagaatcctttgcatttcgatctcactcgcatttaccacc 2936
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 17218 atcagttcagtggttcaccagaagaatcctttgcatttcgatctcactcgcatttaccacc 17159

Score = 303 bits (153), Expect = 4e-79
 Identities = 153/153 (100%)
 Strand = Plus / Minus

Query: 2219 gacatacagtgaggagaagttattaaattaggtcctaattggatctccaagaagagcctggg 2278
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 55945 gacatacagtgaggagaagttattaaattaggtcctaattggatctccaagaagagcctggg 55886

Query: 2279 ggaaaagtccgacagattctgttctaaagatacttggagaagctgaactacaacttcaga 2338
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 55885 ggaaaagtccgacagattctgttctaaagatacttggagaagctgaactacaacttcaga 55826

Query: 2339 cagaactattagaaaatacaactattagaagtg 2371
 ||||||||||||||||||||||||||||||||||||
 Sbjct: 55825 cagaactattagaaaatacaactattagaagtg 55793

Score = 264 bits (133), Expect = 4e-67
 Identities = 133/133 (100%)
 Strand = Plus / Minus

Query: 1792 ttggtggctaaaggagtttaagagttctgatgtttctccacctttgggacagcatgaaaca 1851
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 72084 ttggtggctaaaggagtttaagagttctgatgtttctccacctttgggacagcatgaaaca 72025

Query: 1852 ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 1911
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 72024 ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 71965

Query: 1912 gaagttggcgtgg 1924
 ||||||||||||
 Sbjct: 71964 gaagttggcgtgg 71952

Score = 248 bits (125), Expect = 2e-62

Identities = 125/125 (100%)
Strand = Plus / Minus

Query: 2547 agaacctgatgatttggaacagaaattctacaagagccaagtggaacaaacaaagatga 2606
|||||
Sbjct: 26219 agaacctgatgatttggaacagaaattctacaagagccaagtggaacaaacaaagatga 26160

Query: 2607 gagcttgccatgcactattactgatgtgtggattagtgaggaaaaagaaacaaaggaaac 2666
|||||
Sbjct: 26159 gagcttgccatgcactattactgatgtgtggattagtgaggaaaaagaaacaaaggaaac 26100

Query: 2667 tcagt 2671
|||||
Sbjct: 26099 tcagt 26095

Score = 246 bits (124), Expect = 8e-62
Identities = 124/124 (100%)
Strand = Plus / Minus

Query: 2425 gtacaatgtatttcacatgaaataaaccatcagctattgttgattctcctgttgagaca 2484
|||||
Sbjct: 30756 gtacaatgtatttcacatgaaataaaccatcagctattgttgattctcctgttgagaca 30697

Query: 2485 aaaagtcccgagttcagtgaggcatctccacagatgtcattgaaactggaaggaaattta 2544
|||||
Sbjct: 30696 aaaagtcccgagttcagtgaggcatctccacagatgtcattgaaactggaaggaaattta 30637

Query: 2545 gaag 2548
|||||
Sbjct: 30636 gaag 30633

Score = 176 bits (89), Expect = 6e-41
Identities = 89/89 (100%)
Strand = Plus / Minus

Query: 2670 gtcggcagataggatcaccattcaggaaaatgaagtttctgaagatggagtctcgagtac 2729
|||||
Sbjct: 18770 gtcggcagataggatcaccattcaggaaaatgaagtttctgaagatggagtctcgagtac 18711

Query: 2730 tgtggaccaacttagtgacattcatatag 2758
|||||
Sbjct: 18710 tgtggaccaacttagtgacattcatatag 18682

Score = 135 bits (68), Expect = 2e-28
Identities = 72/73 (98%), Gaps = 1/73 (1%)
Strand = Plus / Minus

Query: 1923 ggacagtagtttaactgatacccgggaaacttcagaagagatgcaaaagaccaacaatgc 1982
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 70048 ggacagtagtttaactgatacccgggaaacttcagaagagatgcaaaagaccaacaatgc 69989

Query: 1983 tatttcaagtaag 1995
 |||||||
 Sbjct: 69988 tatttca-gtaag 69977

Score = 115 bits (58), Expect = 2e-22
 Identities = 58/58 (100%)
 Strand = Plus / Minus

Query: 2949 caagaattccttgctgattggactttcaactggctctgtttgatgcaaacaacccaaag 3006
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 17146 caagaattccttgctgattggactttcaactggctctgtttgatgcaaacaacccaaag 17089

Score = 91.7 bits (46), Expect = 3e-15
 Identities = 46/46 (100%)
 Strand = Plus / Minus

Query: 2371 gagatttctcccgaaggggaaaagtacaaacccttaattactggag 2416
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 30810 gagatttctcccgaaggggaaaagtacaaacccttaattactggag 30765

>AC116621.6.22858.101182
 Length = 78325

Score = 406 bits (205), Expect = e-110
 Identities = 208/209 (99%)
 Strand = Plus / Minus

Query: 3159 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 3218
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 74191 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 74132

Query: 3219 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtccttgaagaacagtga 3278
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 74131 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtccttgaagaacagtga 74072

Query: 3279 tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagtagtga 3338
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Sbjct: 74071 tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagtagtga 74012

Query: 3339 aagtgccctgaacgaagaatggcactcag 3367
 ||||||||||||||||||||||||||||
 Sbjct: 74011 aagtgccctgaacgaagaatggcactcag 73983

Score = 268 bits (135), Expect = 2e-68
Identities = 135/135 (100%)
Strand = Plus / Minus

Query: 3497 aggctattcatgaagatgaagatgaaaatattgaaattgttcaaaaatagttcaaaaata 3556
|||||
Sbjct: 72690 aggctattcatgaagatgaagatgaaaatattgaaattgttcaaaaatagttcaaaaata 72631

Query: 3557 ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg 3616
|||||
Sbjct: 72630 ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg 72571

Query: 3617 gagcctaccaagaag 3631
|||||
Sbjct: 72570 gagcctaccaagaag 72556

Score = 266 bits (134), Expect = 9e-68
Identities = 134/134 (100%)
Strand = Plus / Minus

Query: 3366 agataacagtgatggtgaaattgctagtgaatgtgaatgcatagtgctttaaccattt 3425
|||||
Sbjct: 72984 agataacagtgatggtgaaattgctagtgaatgtgaatgcatagtgctttaaccattt 72925

Query: 3426 agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 3485
|||||
Sbjct: 72924 agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 72865

Query: 3486 tgagaaaataaagg 3499
|||||
Sbjct: 72864 tgagaaaataaagg 72851

>AC116615.3.60396.89763
Length = 29368

Score = 406 bits (205), Expect = e-110
Identities = 208/209 (99%)
Strand = Plus / Minus

Query: 3159 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 3218
|||||
Sbjct: 21838 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 21779

Query: 3219 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 3278
|||||
Sbjct: 21778 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 21719

Query: 3279 tgtggagccaactgcaaattgggacagatgtggcagatgaagatgacaatcccagtagtga 3338
|||||
Sbjct: 21718 tgtggagccaactgcaaattgggacagatgtggcagatgaagatgacaatcccagcagtga 21659

Query: 3339 aagtgccctgaacgaagaatggcactcag 3367
|||||
Sbjct: 21658 aagtgccctgaacgaagaatggcactcag 21630

Score = 297 bits (150), Expect = 3e-77
Identities = 153/154 (99%)
Strand = Plus / Minus

Query: 3005 agatgttaaggacatgttcacttccagatctctcaaagctgttcagaacccttatggatg 3064
|||||
Sbjct: 26727 agatgttaaggacatgttcacttccagatctctcaaagctgttcagaacccttatggatg 26668

Query: 3065 ttcccaccgtaggagatgttcgtcaagacaatcttgaaatagatgaaattaaagatgaaa 3124
|||||
Sbjct: 26667 ttcccaccgtaggagatgttcgtcaagacaatcttgaaatagatgaaattgaagatgaaa 26608

Query: 3125 acattaaagaaggaccttctgattctgaagacat 3158
|||||
Sbjct: 26607 acattaaagaaggaccttctgattctgaagacat 26574

Score = 268 bits (135), Expect = 2e-68
Identities = 135/135 (100%)
Strand = Plus / Minus

Query: 3497 aggctattcatgaagatgaagatgaaaatattgaaatttggttcaaaaatagttcaaaaata 3556
|||||
Sbjct: 20337 aggctattcatgaagatgaagatgaaaatattgaaatttggttcaaaaatagttcaaaaata 20278

Query: 3557 ttttgggaaatgaacatcagcatctttatgccaaagattcttcatttagtcatggcagatg 3616
|||||
Sbjct: 20277 ttttgggaaatgaacatcagcatctttatgccaaagattcttcatttagtcatggcagatg 20218

Query: 3617 gagcctaccaagaag 3631
|||||
Sbjct: 20217 gagcctaccaagaag 20203

Score = 266 bits (134), Expect = 9e-68
Identities = 134/134 (100%)
Strand = Plus / Minus

Query: 3366 agataacagtgatgggtgaaattgctagtgaatgtgaatgcatagtgctcttaaccattt 3425
|||||

Sbjct: 20631 agataacagtgatggtgaaattgctagtgaaatgtgaatgcgatagtgctcttaaccattt 20572

Query: 3426 agaggaaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 3485
|||||

Sbjct: 20571 agaggaaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 20512

Query: 3486 tgagaaaataaagg 3499
|||||

Sbjct: 20511 tgagaaaataaagg 20498

>AC084724.3.6664.29537
Length = 22874

Score = 389 bits (196), Expect = e-105
Identities = 200/201 (99%), Gaps = 1/201 (0%)
Strand = Plus / Plus

Query: 607 tttgaagctggcagtatgaaaaacctggtactgaagataatatctggatctttccacct 666
|||||

Sbjct: 7611 tttgaagctggcagtatgaaaaacctggtactgaagataatatctggatctttccacct 7670

Query: 667 gtgtctttgcattattcctatgatctccgcagtttgggtgtctcagttattttaaagaaat 726
|||||

Sbjct: 7671 gtgtctttgcattattcctatgatctccgcagtttgggtgtctcagttattttaaagaaat 7730

Query: 727 cctagggatagaccatcagtcactccatattggagaaagggttttatagccaaacgcatt 786
|||||

Sbjct: 7731 cctagggatagaccatcagtcactccatattggagaaagggttttatagccaaacg-att 7789

Query: 787 gaaaagtttctctctcctcag 807
|||||

Sbjct: 7790 gaaaagtttctctctcctcag 7810

Score = 307 bits (155), Expect = 3e-80
Identities = 155/155 (100%)
Strand = Plus / Plus

Query: 867 agctaaaagaccagcttcaggacaaaactcgatttctgttatgcctgctcagaaaattac 926
|||||

Sbjct: 16079 agctaaaagaccagcttcaggacaaaactcgatttctgttatgcctgctcagaaaattac 16138

Query: 927 aaagcctgccgctaaatatggaataccttttagcatataagaaatatggagataaaaaatt 986
|||||

Sbjct: 16139 aaagcctgccgctaaatatggaataccttttagcatataagaaatatggagataaaaaatt 16198

Query: 987 acacgaaaagaaaccactgcaaaaacataaacagg 1021
|||||

Sbjct: 16199 acacgaaaagaaaccactgcaaaaacataaacagg 16233

Score = 178 bits (90), Expect = 2e-41
Identities = 90/90 (100%)
Strand = Plus / Plus

Query: 462 tagtactgtagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 521
|||||
Sbjct: 4422 tagtactgtagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 4481

Query: 522 ctgtgaaaacaaaccttacaataataaaaag 551
|||||
Sbjct: 4482 ctgtgaaaacaaaccttacaataataaaaag 4511

Score = 170 bits (86), Expect = 4e-39
Identities = 86/86 (100%)
Strand = Plus / Plus

Query: 311 agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 370
|||||
Sbjct: 2349 agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 2408

Query: 371 ttcttcacgcgagacattaaatctcag 396
|||||
Sbjct: 2409 ttcttcacgcgagacattaaatctcag 2434

Score = 141 bits (71), Expect = 4e-30
Identities = 71/71 (100%)
Strand = Plus / Plus

Query: 394 cagaacatatttttaactaaagatggaacagtacaacttggagattttggaattgctaga 453
|||||
Sbjct: 3643 cagaacatatttttaactaaagatggaacagtacaacttggagattttggaattgctaga 3702

Query: 454 gttcttaatag 464
|||||
Sbjct: 3703 gttcttaatag 3713

Score = 133 bits (67), Expect = 9e-28
Identities = 70/71 (98%)
Strand = Plus / Plus

Query: 803 ctcagcttattgcagaagaattttgtctaaaaacattttcgaagtttggatcacagccta 862
|||||
Sbjct: 12253 ctcagcttattgcagaagaattttgtctaaaaacattttcgaagtttggatcacagccta 12312

Query: 863 taccagctaaa 873
|||||
Sbjct: 12313 taccaggtaaa 12323

Score = 113 bits (57), Expect = 8e-22
Identities = 57/57 (100%)
Strand = Plus / Plus

Query: 550 agtgacatttgggctctggggtgtgtcctttatgagctgtgtacacttaaacatgct 606
|||||
Sbjct: 5545 agtgacatttgggctctggggtgtgtcctttatgagctgtgtacacttaaacatgct 5601

>AC084724.3.127117.217563
Length = 90447

Score = 331 bits (167), Expect = 2e-87
Identities = 167/167 (100%)
Strand = Plus / Plus

Query: 1265 aggctccttttctgggcagtggagggactatagctccatcatcttttcttctcgaggac 1324
|||||
Sbjct: 13121 aggctccttttctgggcagtggagggactatagctccatcatcttttcttctcgaggac 13180

Query: 1325 agtatgaacattaccatgccatttttgaccaaagcagcaacaaagagcagaagataatg 1384
|||||
Sbjct: 13181 agtatgaacattaccatgccatttttgaccaaagcagcaacaaagagcagaagataatg 13240

Query: 1385 aagctaaatggaaaagagaaatatatggctcgagggtcttccagaaagg 1431
|||||
Sbjct: 13241 aagctaaatggaaaagagaaatatatggctcgagggtcttccagaaagg 13287

Score = 264 bits (133), Expect = 4e-67
Identities = 133/133 (100%)
Strand = Plus / Plus

Query: 1792 ttggtggctaaaggagttaagagttctgatgtttctccaccttgggacagcatgaaaca 1851
|||||
Sbjct: 89675 ttggtggctaaaggagttaagagttctgatgtttctccaccttgggacagcatgaaaca 89734

Query: 1852 ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 1911
|||||
Sbjct: 89735 ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 89794

Query: 1912 gaagttggcgtgg 1924
|||||
Sbjct: 89795 gaagttggcgtgg 89807

Score = 212 bits (107), Expect = 1e-51
Identities = 107/107 (100%)
Strand = Plus / Plus

Query: 1429 aggcaaaaagggcagctagctgtagaaagagctaaacaagtagaagagttcctgcagcga 1488
|||||
Sbjct: 31300 aggcaaaaagggcagctagctgtagaaagagctaaacaagtagaagagttcctgcagcga 31359

Query: 1489 aaacgggaagctatgcagaataaagctcgagccgaaggacatatggt 1535
|||||
Sbjct: 31360 aaacgggaagctatgcagaataaagctcgagccgaaggacatatggt 31406

Score = 168 bits (85), Expect = 2e-38
Identities = 85/85 (100%)
Strand = Plus / Plus

Query: 1533 ggtttatctggcaagactgaggcaaataagactacagaatttcaatgagcgccaacagat 1592
|||||
Sbjct: 60881 ggtttatctggcaagactgaggcaaataagactacagaatttcaatgagcgccaacagat 60940

Query: 1593 taaagccaaacttcgtggtgaaaag 1617
|||||
Sbjct: 60941 taaagccaaacttcgtggtgaaaag 60965

Score = 153 bits (77), Expect = 9e-34
Identities = 77/77 (100%)
Strand = Plus / Plus

Query: 1191 gttggaaagaataaatagggccaggggaacaaggatggagaaatgtgctaagtgtggtgg 1250
|||||
Sbjct: 7663 gttggaaagaataaatagggccaggggaacaaggatggagaaatgtgctaagtgtggtgg 7722

Query: 1251 aagtgtgaagtaaagg 1267
|||||
Sbjct: 7723 aagtgtgaagtaaagg 7739

Score = 149 bits (75), Expect = 1e-32
Identities = 75/75 (100%)
Strand = Plus / Plus

Query: 1694 aggcccatgcaaatgcacgtgctgtactaaaagaacaactagaacgaaagagaaagg 1753
|||||
Sbjct: 62079 aggcccatgcaaatgcacgtgctgtactaaaagaacaactagaacgaaagagaaagg 62138

Query: 1754 aggcttatgagagag 1768
|||||

Sbjct: 62139 aggcttatgagagag 62153

Score = 127 bits (64), Expect = 5e-26
Identities = 64/64 (100%)
Strand = Plus / Plus

Query: 1018 caggcccatcaaactccagagaagagagtgaatactggagaagaaaggaggaaaatatct 1077
|||||
Sbjct: 7019 caggcccatcaaactccagagaagagagtgaatactggagaagaaaggaggaaaatatct 7078

Query: 1078 gagg 1081
|||
Sbjct: 7079 gagg 7082

Score = 123 bits (62), Expect = 8e-25
Identities = 62/62 (100%)
Strand = Plus / Plus

Query: 1079 aggaagcagcaagaaagagaaggctggaatttattgaaaaagaaaagaaacaaaaggatc 1138
|||||
Sbjct: 7325 aggaagcagcaagaaagagaaggctggaatttattgaaaaagaaaagaaacaaaaggatc 7384

Query: 1139 ag 1140
||
Sbjct: 7385 ag 7386

Score = 117 bits (59), Expect = 5e-23
Identities = 59/59 (100%)
Strand = Plus / Plus

Query: 1616 agaaagaagctaattcattctgaaggacaagaaggaagtgaagaggctgacatgaggcgc 1674
|||||
Sbjct: 61419 agaaagaagctaattcattctgaaggacaagaaggaagtgaagaggctgacatgaggcgc 61477

Score = 107 bits (54), Expect = 5e-20
Identities = 54/54 (100%)
Strand = Plus / Plus

Query: 1138 cagattattagtttaataaggctgaacaaatgaaaaggcaagaaaaggaaagg 1191
|||||
Sbjct: 7478 cagattattagtttaataaggctgaacaaatgaaaaggcaagaaaaggaaagg 7531

>AC084724.3.29638.51693
Length = 22056

Score = 232 bits (117), Expect = 1e-57
Identities = 117/117 (100%)
Strand = Plus / Plus

Query: 1 atggagaagtatgtagactacagaagattggagaaggttcatttggaaaagccattctt 60
|||||
Sbjct: 12568 atggagaagtatgtagactacagaagattggagaaggttcatttggaaaagccattctt 12627

Query: 61 gttaaacttacagaagatggcagacagtatgttatcaaggaaattaacatctcaaga 117
|||||
Sbjct: 12628 gttaaacttacagaagatggcagacagtatgttatcaaggaaattaacatctcaaga 12684

Score = 200 bits (101), Expect = 4e-48
Identities = 104/105 (99%)
Strand = Plus / Plus

Query: 208 tttgaagaaaatggctctctctacatagtaatggattactgtgagggaggggatctgttt 267
|||||
Sbjct: 15993 tttgtagaaaatggctctctctacatagtaatggattactgtgagggaggggatctgttt 16052

Query: 268 aagcgaataaatgctcagaaaggcgttttgtttcaagaggatcag 312
|||||
Sbjct: 16053 aagcgaataaatgctcagaaaggcgttttgtttcaagaggatcag 16097

Score = 192 bits (97), Expect = 1e-45
Identities = 97/97 (100%)
Strand = Plus / Plus

Query: 118 atgtccagtaaagaaagagaagaatcaaggagagaagttgcagtattggcaaacatgaag 177
|||||
Sbjct: 13094 atgtccagtaaagaaagagaagaatcaaggagagaagttgcagtattggcaaacatgaag 13153

Query: 178 catccaaatattgtccagtatagagaatcatttgaag 214
|||||
Sbjct: 13154 catccaaatattgtccagtatagagaatcatttgaag 13190

>AC116643.2.13772.15264
Length = 1493

Score = 178 bits (90), Expect = 2e-41
Identities = 90/90 (100%)
Strand = Plus / Minus

Query: 462 tagtactgtagagctggctcgaacttgcatagggaccccataactacttgtcacctgaaat 521
|||||
Sbjct: 1051 tagtactgtagagctggctcgaacttgcatagggaccccataactacttgtcacctgaaat 992

Query: 522 ctgtgaaaacaaaccttacaataataaaaag 551
|||||
Sbjct: 991 ctgtgaaaacaaaccttacaataataaaaag 962

>AC116642.2.30736.38115
Length = 7380

Score = 170 bits (86), Expect = 4e-39
Identities = 86/86 (100%)
Strand = Plus / Minus

Query: 311 agattttggactgggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 370
|||||
Sbjct: 1978 agattttggactgggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 1919

Query: 371 ttcttcatcgagacattaaatctcag 396
|||||
Sbjct: 1918 ttcttcatcgagacattaaatctcag 1893

Score = 95.6 bits (48), Expect = 2e-16
Identities = 63/68 (92%)
Strand = Plus / Minus

Query: 397 aacatatttttaactaaagatggaacagtacaacttggagattttggaattgctagagtt 456
|||||
Sbjct: 681 aacatatttttacctaccgatggaacagtacaacttggatattttggaattgctacagtt 622

Query: 457 cttaatag 464
|||||
Sbjct: 621 cttaatag 614